



Ontario

Ministry of
Northern Development
and Mines

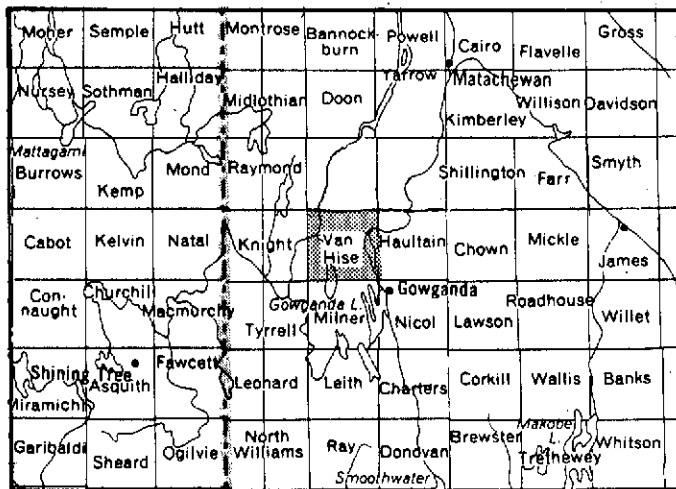
Mines and
Minerals
Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 515

VAN HISE TOWNSHIP

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles



This project is part of the five year Canada-Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

NTS Number 41P/10 and 41P/15

Mining Claim Map Number M.254

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Van Hise Township, Geological Data Inventory Folio 515; compiled by the staff of the Resident Geologist's office, Cobalt.

Original Compilation by: Patricia Anderson, March 1, 1989

Date	Page Revised	Revised by	Date	Page Revised	Revised by

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
<i>SI Unit</i>	<i>Multiplied by</i>	<i>Gives</i>	<i>Imperial Unit</i>	<i>Multiplied by</i>	<i>Gives</i>
LENGTH					
1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km
AREA					
1 cm ²	0.155 0	square inches	1 square inch	6.451 6	cm ²
1 m ²	10.763 9	square feet	1 square foot	0.092 903 04	m ²
1 km ²	0.386 10	square miles	1 square mile	2.589 988	km ²
1 ha	2.471 054	acres	1 acre	0.404 686 6	ha
VOLUME					
1 cm ³	0.061 02	cubic inches	1 cubic inch	16.387 064	cm ³
1 m ³	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m ³
1 m ³	1.308 0	cubic yards	1 cubic yard	0.764 555	m ³
CAPACITY					
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L
MASS					
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
CONCENTRATION					
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE—Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

SOURCES OF DATA		Data	Initial
1.	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	Yes	D.P.A.
3	ODM General Index; 9 Volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	N.A.	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.P.A.
14	Author - Subject Articles File	Yes	D.P.A.
15	Miscellaneous Papers: ODM & OGS	No	D.P.A.
16	ODM Geological Circulars: OGS Study Series	Yes	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	Yes	D.P.A.
18	ODM - OGS Open File Reports	yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	Yes	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial Photographs on File, Cobalt	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

△ anh.....Anhydrite	△ fu.....Fuchsite	▲ Ni.....Nickel	△ st.....Stone
△ ank.....Ankerite	▲ gn.....Galena	△ Nb.....Niobium	△ talc.....Talc
△ anna.....Annabergite	△ gt.....Garnet	△ Pd.....Palladium	△ Te.....Tellurium
△ ap.....Apatite	△ goe.....Goethite	△ peat.....Peat	△ td.....Tetrahedrite
▲ arg.....Argentite	▲ Au.....Gold	▲ pent.....Pentlandite	△ th.....Thorite
△ As.....Arsenic	△ gf.....Graphite	△ Pt.....Platinum	△ Th.....Thorium
△ asp.....Arsenopyrite	△ gl.....Gravel	▲ py.....Pyrite	△ thuc.....Thucholite
▲ asb.....Asbestos	△ gyp.....Gypsum	△ pyl.....Pyrochlore	△ ti.....Titanite
△ ba.....Barite	▲ hem.....Hematite	△ pyrl.....Pyrolusite	△ Ti.....Titanium
△ be.....Beryl	△ il.....Ilmenite	△ po.....Pyrrhotite	△ tour.....Tourmaline
▲ Bi.....Bismuth	▲ Fe.....Iron	△ q.....Quartz	△ trap.....Trap rock
▲ bn.....Bornite	△ IF.....Iron Formation	△ qcv.....Quartz carbonate vein	△ W.....Tungsten
△ bran.....Brannerite	△ jas.....Jasper	△ ra.....Radioactive minerals	△ uran.....Uraninite
△ bruc.....Brucite	△ kaol.....Kaolinite (kaolin)	△ RE.....Rare Earths	△ U.....Uranium
△ Cd.....Cadmium	△ ky.....Kyanite	△ sd.....Sand	△ verm.....Vermiculite
△ calc.....Calcite	▲ Pb.....Lead	△ sgl.....Sand and gravel	△ Y.....Yttrium
△ carb.....Carbonate	△ lim.....Limonite	△ ss.....Sandstone	△ Zn.....Zinc
△ cel.....Celestite	△ Li.....Lithium	△ scap.....Scapolite	△ zr.....Zircon
△ cc.....Chalcocite	△ mgst.....Magnesite	△ shee.....Scheelite	▲ V ₂ O ₅Vanadium Pentoxide
▲ cp.....Chalcopyrite	▲ mag.....Magnetite	▲ serp.....Serpentine	▲ Cr.....Chromium
△ ch.....Chert	▲ mc.....Malachite	△ sh.....Shale	
△ clay.....Clay	△ Mn.....Manganese	△ sid.....Siderite	
▲ Co.....Cobalt	△ mb.....Marble	△ si.....Silica	
▲ cob.....Cobaltite	△ mar.....Marcasite	▲ Ag.....Silver	
△ cb.....Columbite	△ ma.....Marl	△ sl.....Slate	
▲ Cu.....Copper	△ mi.....Mica	▲ sm.....Smaltite	
△ cor.....Corundum	△ ml.....Millerite	△ sod.....Sodalite	
△ dol.....Dolomite	△ mo.....Molybdenite	△ spec.....Specularite	
△ ep.....Epidote	△ Mo.....Molybdenum	△ sp.....Sphalerite	
▲ ery.....Erythrite	△ mon.....Monazite	△ spd.....Spodumene	
△ fel.....Feldspar	△ ne.....Nephelite (nepheline)	△ staur.....Staurolite	
△ fl.....Fluorite (fluorspar)	▲ nc.....Niccolite	△ stib.....Stibnite	

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Alpine Silver (Stirrett, J.R., Thompson-Gowganda, Gamey-Thompson, Holwood)	Ag - major Co, Cu - minor arg, cp		MRC 10, p. 369,412 MDIR T 0318	ODM 1926, AR Vol. 35, pt. 3, p. 55 ODM 1921, Map 30b ODM 1962, Map P.159 OGS 1978, Report 175, pp. 57-58 and Map 2348 2 shafts reported, 30' and 50' deep respectively; location unknown
B.	Hedland (Tribag)	Ag - major Co, Ni, Cu, Pb - minor gn, cp, nc		MRC 10, p. 369,412 MDIR T 0322 MNI 41P/10 Ag 47	ODM 1926, AR Vol. 35, pt. 3, p. 56 ODM 1921, Map 30b ODM 1962, Map P.159 ODM 1978, Report 175, pp. 60-61 and Map 2348
C.	Brett Lake	Ag - major Co, Ni, Cu, Bi - minor cob, sm		MDIR T 0319	OGS 1978, Report 175, pp. 58-59 and Map 2348

VAN HISE TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
D.	Charbonneau	Cu - major Au - minor		MDIR T 0320	OGS 1978 Report 175, p. 59 and Map 2348
E.	Texmont	Ag - major Co, Ni, Cu - minor		MDIR T 0321	OGS 1978, Report 175, pp. 59-60 and Map 2348
F.	Silverfine Lake (Silverfive Lake)	cp, ery			OGS 1978, Report 175, p. 53 and Map 2348

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT																			
COMPANY/AUTHOR (file number)																			
1	Alpine Silver Mines Ltd. Gamey-Thompson			20 10		20 21 10													
2	Baxter, George AFRO #2.1670						75				74								
3	Brett Lake Group	24																	
4	Charbonneau, E. Macassa Mines Ltd. option					53													
5	Chibougamau Mining Co. Ltd.						57												
6	Dencroft Mines Ltd. Van Hise & Haultain Tps.	63					64												

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY				
COMPANY/AUTHOR (file number)																					
7	Hasaga Gold Mines Ltd. (Hasaga-O'Brien)				56			56													
8	Hedlund						20														
9	Holland Lake Silver Mines Ltd., 1964																				
10	Holwood Mines Ltd.				51		51- 53	63 53 52 52 52													
11	Silverplace Mines Ltd. Van Hise & Haultain Tps. AFRO #63.1354	63			62 65										64						
12	Sutherland, Wm. Don AFRO #63.2398							69	68	68											

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY		
COMPANY/AUTHOR (file number)																			
13	Texmont Mines Ltd. AFRO #63.2296				66	66						68	68						
14	Thib, Frank Sylvanite Gold Mines Ltd. option			42		42		42											
15	Gowganda Silver Mines Ltd., Nicol, Milner, Lawson, Chown, Haultain & Van Hise Tps., Group C, C-1		69					72				68							

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Map Drilling Location Number	Company Name								
				DEGREES	DEGREES	FEET	FEET		
1	Hasaga Gold Mines Ltd.	P-1	1956	N19W	-45	0	57	Co	
		P-2	1956	N12W	-45	0	40		
		P-3	1956	S24W	-50	0	110		
		4	1956	S25E	-45	0	70.5		
2	Holwood Mines Ltd.		1951	7 holes drilled totalling 1200'. maps available.			No logs or		
3	Silverplace Mines Ltd.	1	1962	West	-45	26	411	gn, cp, hem, mag	
		2	1962	West	-45	3	600	cp, sm	
4	Silverplace Mines Ltd.	3	1962	West		3	786	cp, sm, gn	
5	Silverplace Mines Ltd.	1	1965	S50E	-45	40	420	cp, mc	
6	Silverplace Mines Ltd.	2	1965	S80W	-45	6	151	py	
		3	1965	N78W	-45	6	197		
7	Silverplace Mines Ltd.	4	1965	N89E	-45	27	175	bn	

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
Map Drilling Location Number	Company Name								
8	Texmont Mines Ltd.	1	1966	Due East	-50	8	1012	py, serp, asb, pent, mag	V ₂ O ₅ , Ag, Fe, Ni, Cr
		2	1966	Due East	-50	8	590	mag, serp, asb	

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
12	By: Huntec Ltd. and Lockwood Survey Corp. Ltd. For: Sutherland & Assoc.	Electromagnetic and magnetometer	100'	E/W	1/16 mile

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Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
1	B horizon soil analysis	Silver by hot acid extraction	By: Warnock Hersey International Ltd.	Nicol Tp. AF: Gowganda Silver Mines Ltd.

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
No data available as of March 1, 1989.				

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office, Cobalt.

Alpine Silver Mines Ltd.
Gowganda Silver Mines Ltd.
Hasaga Gold Mines Ltd.
Holwood Mines Ltd.
Silverplace Mines Ltd.

ODM GENERAL INDEX SEARCH

Words searched: Alpine Silver Mines Ltd. Baxter, George Brett Lake Charbonneau, E. Chibougamau Mining Co. Ltd. Davidson Lake Dencroft Mines Ltd.	Diabase Lake Dumond Lake Edith Lake Firth Creek Firth Lake Foot Creek Foot Lake Gamey-Thompson Glasser Bay
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Index Volume	Listing:	Report Volume	Part	Page
	*Out of Print			
	N.O. ¹ - Report of the Survey and Exploration of Northern Ontario, 1900			
1	Brett Lake, Van Hise tp.	*19	2	172
	Davidson Lake, Haultain tp. Rocks	*19	2	172, 173, 178
	View showing	*19	2	169
	Foot Lake, Van Hise tp. Spheroidal weathering near	*19	2	170
	Gamey-Thompson Silver Mine, Spawning lake Operating See also Thompson-Gowganda	*21	1	50
	Obushkong Lake, Van Hise tp. Area	*N.O. ¹		105
	Character of Montreal river near	*N.O.		96
	Forest fires	*19	2	168
	Map showing position silver claims. See map of Gowganda silver area	*19	2	166
	Photo of, in distance	*19	2	169
	Portage from, to Suwamnoking lake	*N.O.		87
	Rocks	*N.O. *19	2	105 171
	cobalt series	*19 *23	2 2	83, 174 33

ODM GENERAL INDEX SEARCH

Words searched: Gould Lake Gowganda Silver Mines Ltd. Hasaga Gold Mines Ltd. Hasaga-O'Brien Hedlund Holland Lake Holland Lake Silver Mines Ltd.	Holwood Mines Ltd. Kawakanika Lake Macassa Mines Ltd. MacIntosh Creek MacIntosh Lake Obushkong Lake Otter Lake Pantaloon Lake Penassi Lake
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Index Volume	Listing:	Report Volume	Part	Page
1 cont.	Obushkong Lake, Van Hise tp.			
	diabase	*19	2	178,179
	map. See above map			
	photos	*19	2	175,176
	Silver claims, map showing. See above map			
	Serpentine Lake, Van Hise tp.			
	Serpentine	*19	2	171
	Spawning Lake, Van Hise and Milner tps.			
	Altitude	*19	2	168
	Silver mining near	*23	1	156
	Thompson-Gowganda Mining Co.			
	Capital and date of charter	*19	1	49
	Work by, N.W. of Spawning lake	*23	1	156
	Van Hise Tp., Tim.			
Forest fires	*19	2	168	
Rocks	*19	2	174	
greenstone	*19	2	170	
Silver claims staked	*19	1	52	
2	Alpine Silver Mine, Van Hise tp.			
	Diabase ridge, altitude	*30	3	2
	Map showing location	*30	3	22
	Workings and description	*30	3	41
	Alpine Silver Mines Ltd.			
	Capital and date of charter	*30	1	48
Mining in Van Hise tp.	*31	10	57	

ODM GENERAL INDEX SEARCH

Words searched:

Read Lake
Serpentine Lake
Silverfive Creek
Silverfive Lake
Silverplace Mines Ltd.
Spawning Lake
Stirrett, J.R.

Sutherland, Wm. Don
Texmont Mines Ltd.
Thib, Frank
Thompson, E.J.
Thompson-Gowganda
Tribag Mining Co. Ltd.
Van Hise Township

Index Volume	Listing:	Report Volume	Part	Page
2	Brett Lake, Van Hise tp.			
	Diabase and lamprophyre dikes, N. of	*30	3	7
		*35	3	5
	See map 30b with	*30	3	
	Davidson Lake, Haultain and Van Hise tps.			
	Faults	*35	3	18
	Rocks, Algomian	*30	3	8
		*35	3	9
	diabase	*30	3	17
		*35	3	19
	See map 30b with	*30	3	
	Diabase Lake, Van Hise tp.			
	Diabase	*30	3	16
		*35	3	17
	See map 30b with	*30	3	
	Edith Lake, Haultain and Van Hise tps.			
	Claims, rocks. See map 30b with	*30	3	
	and facing	*29	3	78
	Foot Lake, Van Hise tp.			
	Claims; rocks. See map 30b with	*30	3	
	Gamey-Thompson Silver Mine, Van Hise tp.			
	See Alpine s.m.			
	Gould Lake, Van Hise tp.			
	Claims; rocks. See map 30b with	*30	3	

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Hedlund, L.O. Prospecting, Gowganda s. area	*30	3	42
	Hedlund Silver Mine, Van Hise tp. Description	*30	3	42
	Map showing location	*30	3	22
	See also map 30b with	*30	3	
	McIntosh Lake, Van Hise tp. Claims; rocks. See map 30b with	*30	3	
	Obushkong Lake, Van Hise tp. Cobalt series, conglomerate ridge	*30	3	10,11
		*35	3	12,13
	altitude	*30	3	2
		*35	3	2
	See also map 30b with	*30	3	
	Dam suggested	*27	1	237
	water level stabilized by	*34	3	5
	Diabase	*34	3	27
	olivine	*30	3	19,20
		*35	3	19,20
	ridge, altitude	*30	3	2
		*35	3	2
	Greenstone and serpentine near	*30	3	6
		*35	3	8
	Serpentine Lake, Van Hise tp. Claims; rocks. See map 30b with	*30	3	
	Pillow lava N. of	*30	3	6

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Spawning Lake, Van Hise and Milner tps. Diabase Greywacke ridge, altitude Map geological. See map 30b with Parallelism with lakes of area Silver mg. near. See Alpine s.m.	*30 *30 *30 *35	3 3 3 3	15,16 2 2
	Thompson, E.J. of Alpine s.m.	*30 *31	3 10	41 14,57
	Van Hise Tp., Tim. See also Obushkong l. Forest fires Map geological. See map 30b with Rocks Silver mg. See Alpine s.m.	*30 *30 *30	3 3 3	3 6-9
5	Alpine Silver Mines Ltd. Operations (1920, 1921)	62	3	111
	Hasaga Gold Mines Ltd. Capital; officers; operations: (1950) (1951) (1952)	60 61 62	2 2 2	26-28 27,28 26-28
	Holwood Mines Ltd. Capital; officers; operations: (1952) (1953) Incorporated	62 63 61	2 2 1	110 134 46

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
5	Van Hise Tp., Tim. Rocks. See Map 1955-3 with Silver claims	64 62 63	5 2 2	111 134
6	Dencroft Mines Ltd. Change of name	65	1	38
	Tribag Mining Co. Ltd. Change of name	66	1	36
8	Van Hise Tp., Timiskaming Dist. silver/cobalt	MRC 10		412
9	Alpine Silver Mines Ltd. Van Hise Tp., Timiskaming Dist.	GR 175		57
	Brett Lake Van Hise Tp., Timiskaming Dist.	GR 175		58
	Charbonneau Occurrences Van Hise Tp., Timiskaming Dist. report on property	GR 175		59
	Davidson Lake Van Hise & Haultain Tps., Timiskam- ing Dist.	GR 175		44
	Diabase Lake Van Hise Tp., Timiskaming Dist.	GR 175		55

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Firth Lake Van Hise & Milner Tps., Timiskaming Dist.	GR 175		9-29 passim 47, 57-60 passim
	Firth Silverfive Lakes Fault Van Hise & Milner Tps., Timiskaming Dist.	GR 175		41,60
	Foot Creek Occurrence Van Hise Tp., Timiskaming Dist. report on property	GR 175		49
	Foot Lake Van Hise Tp., Timiskaming Dist.	GR 175		34,36, 41,59
	Gowganda-Obushkong Lakes Fault Gowganda L. area, Timiskaming Dist.	GR 175		15, 41-42
	Hasaga Gold Mines Ltd. Van Hise Tp., Timiskaming Dist.	GR 175		59
	Hedlund, L.O. Gowganda area, Timiskaming Dist.	GR 152 GR 175		55 60
	Hedlund Property Gowganda area, Timiskaming Dist.	GR 152 GR 175		28,29, 55 60-61

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Holland Lake Van Hise Tp., Timiskaming Dist.	GR 175		58
	Holland Lake Fault Van Hise Tp., Timiskaming Dist.	GR 175		41
	Holwood Mines Ltd. Van Hise Tp., Timiskaming Dist.	GR 175		57
	Obushkong-Gowganda Lakes Fault Gowganda L. area, Timiskaming Dist.	GR 175		15, 41-42
	Obushkong Lake Van Hise Tp., Timiskaming Dist.	GR 175		8,30, 44,55
	Otter Lake Van Hise Tp., Timiskaming Dist.	GR 175		59
	Serpentine Lake Van Hise Tp., Timiskaming Dist.	GR 175		8,11, 47,58, 60
	Silverfive-Firth Lakes Fault Van Hise & Milner Tps., Timiskaming Dist.	GR 175		41,60
	Silverfive Lake Occurrence Van Hise & Milner Tps., Timiskaming Dist. report on property	GR 175		53

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Silverplace Mines Ltd. Van Hise & Milner Tps., Timiskaming Dist. report on property	GR 175		55,56
	Sutherland, W.D. Van Hise Tp., Timiskaming Dist. report on Brett L. Occurrence	GR 175		58-59
	report on Charbonneau Occurrence	GR 175		59
	Texmont Mines Ltd. Van Hise Tp., Timiskaming Dist.	GR 175		59-60
	Thompson, E.J. Van Hise Tp., Timiskaming Dist.	GR 175		57
	Thompson-Gowganda Mine Van Hise Tp., Timiskaming Dist. report on property	GR 175		57
	Tribag Mining Co. Ltd. Van Hise Tp., Timiskaming Dist. report on Hedlund Property	GR 175		60-61
	Van Hise Tp., Timiskaming Dist. Geology of the Gowganda-Miller L. area	GR 175		

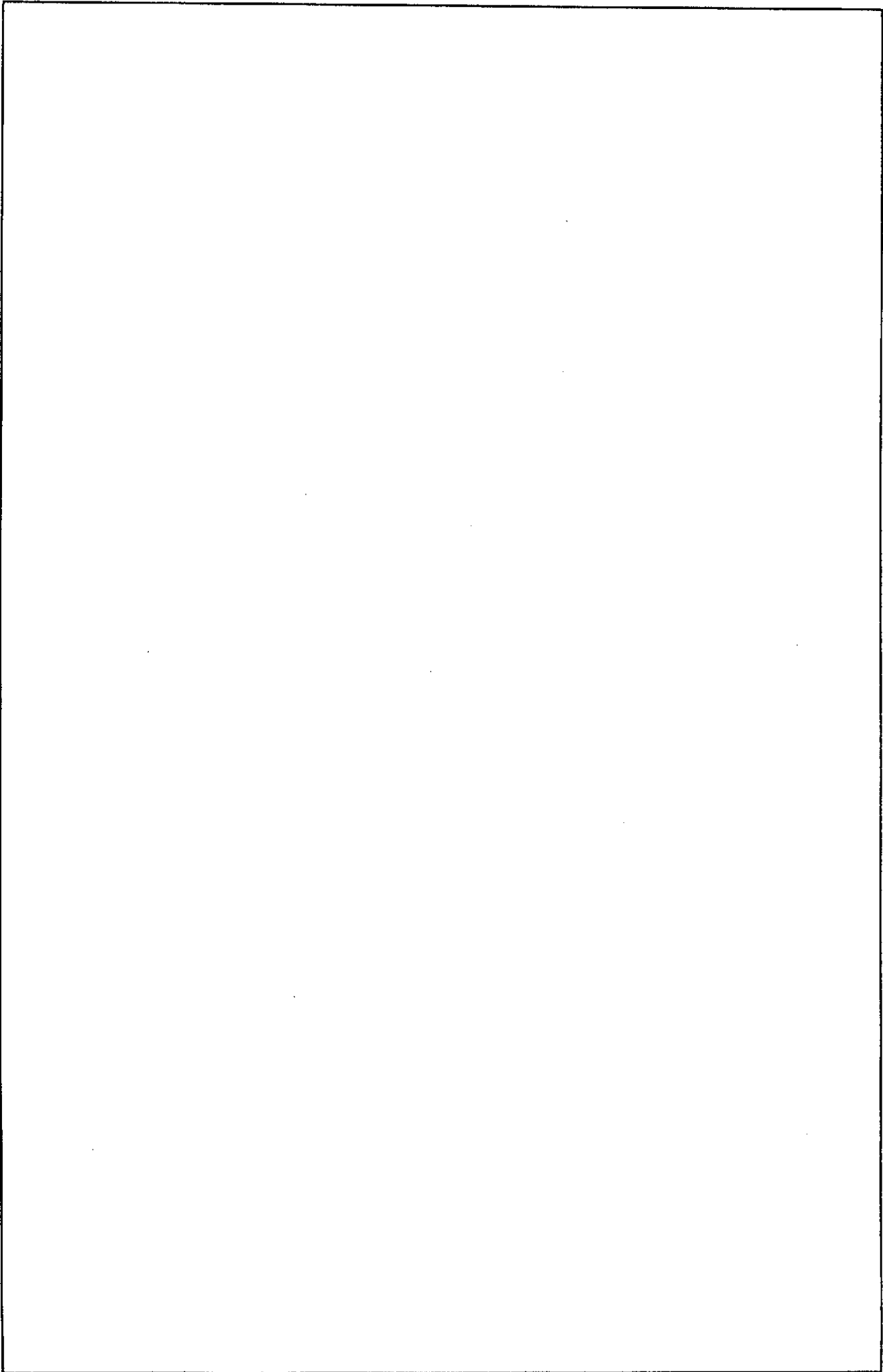
Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
		*Out of Print			
Andrews, A.J.	1986	Silver vein deposits: summary of recent research		Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1459-1462
Andrews, A.J., Masliwec, A., Morris, W.A., Owskiacki, L., York, D.	1986	The Silver Deposits of Cobalt and Gowganda Ontario. II: An experiment in age determinations employing radiometric and paleomagnetic measurements		Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1507-1518
Andrews, A.J., Owskiacki, L., Kerrich, R., Strong, D.F.	1986	The Silver Deposits at Cobalt and Gowganda Ontario. I: Geology, petrography and whole-rock geochemistry		Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1480-1506
Collins, W.H.	1909	Preliminary Report on the Gowganda Mining Division, District of Nipissing, Ontario		*GSC Separate Report 1075 *GSC Map 1076	1:63 360
Collins, W.H.	1914	The Geology of the Gowganda Mining Division		*GSC Memoir 33 *GSC Memoir 64A	1:63 360
Easton, R.M.	1986	Geochronology of Ontario, Part 1: Compilation of Data		OFR 5592	179 p.
Fortescue, J.A.C.	1985	Preliminary Studies of Lake Sediment Geochemistry in an Area Northeast of Sudbury, NTS 41I/15, 41P/2,7+10, Sudbury + Tim. Dist.		OGS Geoph-Geoch Map 80 756	1:100 000
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sudbury & Timiskaming Dist. Ont., Geological Compilation Series		ODM Map 2046	1:253 440

Author	Date	SELECTED REFERENCES		Map Scales and/or Report Pages
		Title	Reference	
Goodz, M.D., Watkinson, D.H., Smejkal, V., Pertold, Z.	1986	Sulphur-isotope geochemistry of silver-sulpharsenide vein mineralization, Cobalt, Ont.	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1551-1567
GSC	1956	Aeromagnetic Map, Gowganda, Ont.	GSC Map 284G	1:63 360
Gupta, V.K., Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, Temagami-Englehart Area, NTS 31M/W, 41P/E, Tim. + 2 AL Dist., Ont.	OGS Map P.2296	1:100 000
Gupta, V.K.	1981	Bouger Gravity and Generalized Geological Map of Gogama-Gowganda Area, NTS 41P, Timiskaming & Sudbury Dist., Ont.	OGS Map P.2481	1:100 000
Hunter & Assoc. Ltd.	1984	Peat and Peatland Evaluation of the New Liskeard Area, NTS 31M/2 + 41P/E, Tim. + 2 other Dist.	OGS OFR 5486	3 volumes
Kerrich, R., Strong, D.F., Andrews, A.J., Owskiacki, L.	1986	The Silver Deposits at Cobalt and Gowganda Ontario. III: Hydrothermal regimes and source reservoirs - evidence from H,O,C and SR isotopes and fluid inclusions	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1519-1550
Kretschmar, U., Kretschmar, D.	1980	Talc, Magnesite and Asbestos Deposits in the Kirkland Lake-Timmins Area, NTS 31M, 32D, 41O, 41P, 42A, 42B, Tim. + 2 AL Dist.	OGS OFR 5310	
Kretschmar, U., Kretschmar, D.	1986	Talc, Magnesite and Asbestos Deposits in the Timmins-Kirkland Lake Area, Tim. & Cochrane Dist.	OGS Study 28	
Legun, A.	1984	Huronian Stratigraphy and Sedimentation in the Cobalt area, NTS 31M/W + 41P, Ont.	OGS OFR 5508	

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Long, D.G.F., Leslie, C.A.	1986	The Placer Gold Potential of the Early Aphebian Gowganda Formation along the Northern Margin of the Cobalt Embayment, Ontario, with Comments on Associated Concentrations of Silver and Copper		OGS OFR 5608	
Mansinha, L., Wilkinson, D.A.	1983	Grant No. 109; Interpretation of Gravity Data from New Liskeard, NTS 31M/W, 41P/E, Ont.		OGS OFR 5440	
McIlwaine, W.H.	1969	Van Hise Township, District of Timiskaming, Ontario		ODM Map P.517	1:15 840
McIlwaine, W.H.	1975	Geology of the Gowganda Lake-Miller Lake Silver Area, NTS 41P/10, Timiskaming Dist., Ont.		ODM OFR 5113	
McIlwaine, W.H.	1976	Van Hise & Milner Tps., NTS 41P/NE, Timiskaming Dist., Ont.		ODM Map 2348	1:31 680
McIlwaine, W.H.	1978	Geology of the Gowganda Lake-Miller Lake Silver Area, NTS 41P/10, Timiskaming Dist., Ont.		OGS Report 175	
MNR	1982	Ontario Basic Map Sheets		MNR Maps 20 17 5000 52800 20 17 5100 52800 20 17 5000 52700 20 17 5100 52700	1:20 000
MNR		Van Hise Township Claim Map		MNR Map Plan M.254	1" = 40 ch.
Moore, E.S.	1956	Geology of the Miller Lake Portion of the Gowganda Silver Area, Timiskaming Dist., Ont.		ODM AR, 1955, Vol. 64, pt. 5	

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Moore, E.S.	1956	Gowganda Silver Area, District of Timiskaming, Ont.		ODM Map 1955-3	1:31 680
OGS	1979	Airborne Gamma-Ray Spectrometry Maps and Profiles		OGS Geoph-Geoch Maps 80372-80410	1:250 000
Parks, W.A.	1907	The Geology of a District from Lake Timiskaming Northward		*GSC Summary Report 1904, Vol. XVI, pt. A	pp. 198-225
Pyke, D.R., Ayres, L.D., Innes, D.G.	1973	Timmins-Kirkland Lake Geological Compilation Series, Cochrane, Sudbury & Timiskaming Dist., Ont.		ODM Map 2205	1:253 440
Redman, J.D., Strangway, D.W.	1986	Ontario Geoscience Research Grant Program, Grant No. 118, Surface Electromagnetic Mapping in Northern Ontario		OGS OFR 5615	
Reid, J.A.	1943	Mineral Resources of the Timiskaming Silver-Cobalt Area, Ont.		ODM Bulletin No. 134	
Roed, M.A.	1980	Elk Lake Area, NTS 41P/NE, Timiskaming Dist., Ont.		NOEGTS 83	
Roed, M.A., Hallett, D.R.	1980	NOEGTS Data Base Map, Elk Lake, NTS 41P/NE, Timiskaming Dist., Ont.		OGS Map 5020	1:100 000
Savage, W.S., Fenwick, K.G.	1962	Gogama Sheet, District of Sudbury and Timiskaming, Ont.		ODM Map P.151	1:126 720
Savage, W.S., Thomson, R., Fenwick, K.G.	1962	Elk Lake-New Liskeard Sheet, District of Timiskaming, Ont.		ODM Map P.159	1:126 720

Author	Date	SELECTED REFERENCES		Map Scales and/or Report Pages
		Title	Reference	
Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet + part of Ville Marie Sheet, NTS 41P, 31M/W, Timiskaming & Sudbury Dist., Ont.	OGS Map P.1514	1:250 000
Surveys and Mapping Branch, EMR	1976	Gowganda, Ont.	NTS 41P/10	1:50 000
Surveys and Mapping Branch, EMR	1976	Matachewan, Ont.	NTS 41P/15	1:50 000
Symons, D.T.A., Stupavsky, M.	1983	Grant No. 143: Analysis of Aeromagnetic Anomalies over Algoman-Type Iron Formations	OGS OFR 5476	
Thorpe, R.I., Goodz, M.D., Jonasson, I.R., Blenkinsop, J.	1986	Lead-isotope study of mineralization in the Cobalt Dist., Ont.	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1568-1575
Vos, M.A., Abolins, T., McKnight, R.L.W., Smith, V.	1987	Industrial Minerals of Northern Ontario	OGS MDC 26	



NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the maps, only the areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

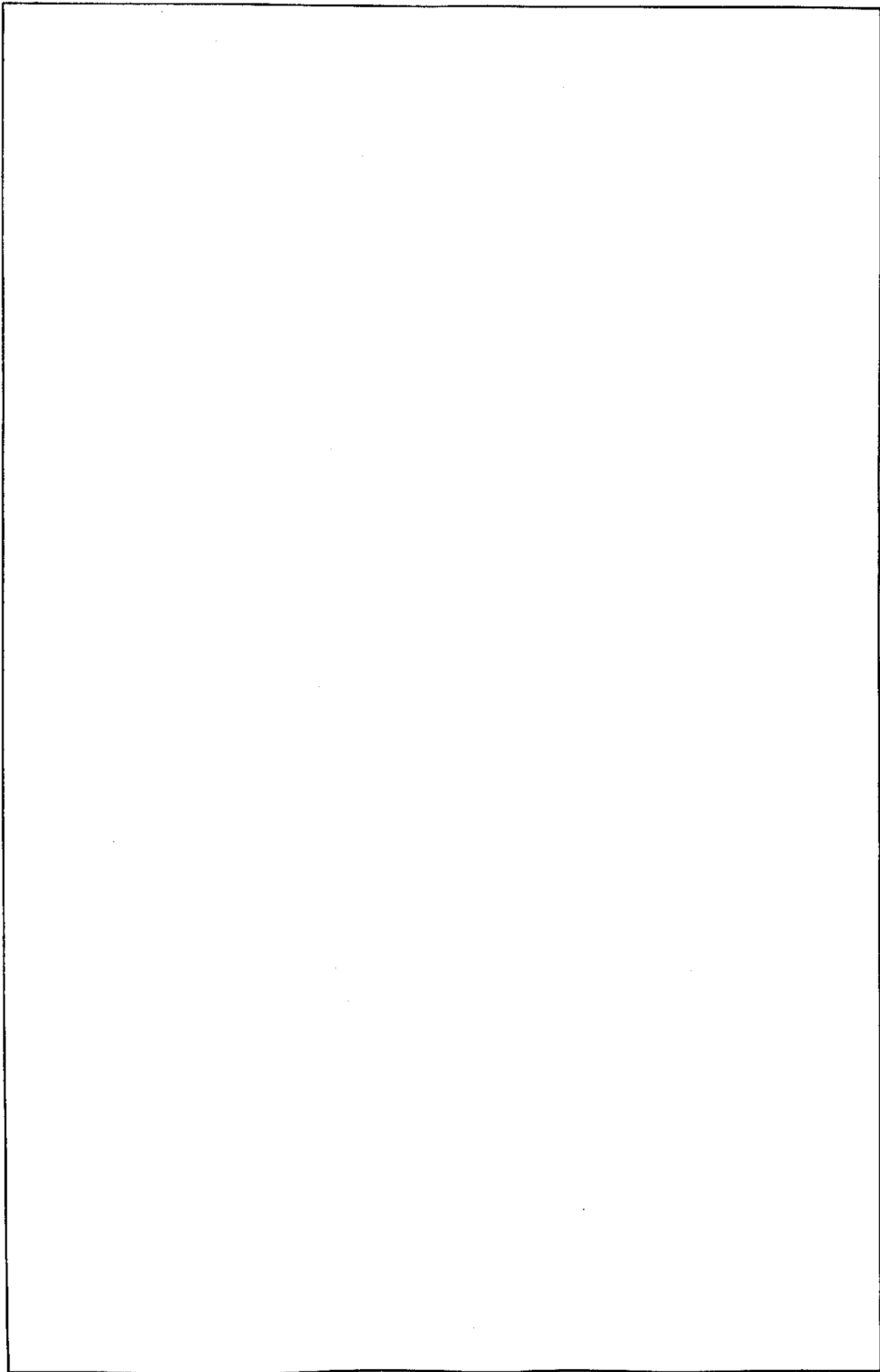
No present or past producers.

The township was closed to staking in 1978 due to the Bear Island Indian Caution.

AIR PHOTOS - on file in Cobalt

1" = $\frac{1}{4}$ mile for 1946 and 1959.

Air photos can also be viewed at or purchased from the Public Service Centre, Room 1640, Whitney Block.



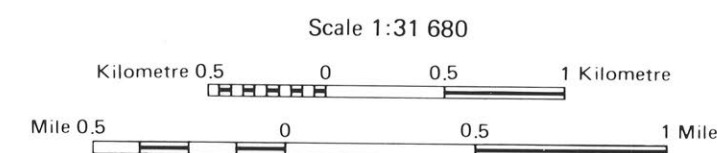


Ministry of Northern Development and Mines


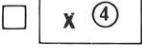

Mines and Minerals Division

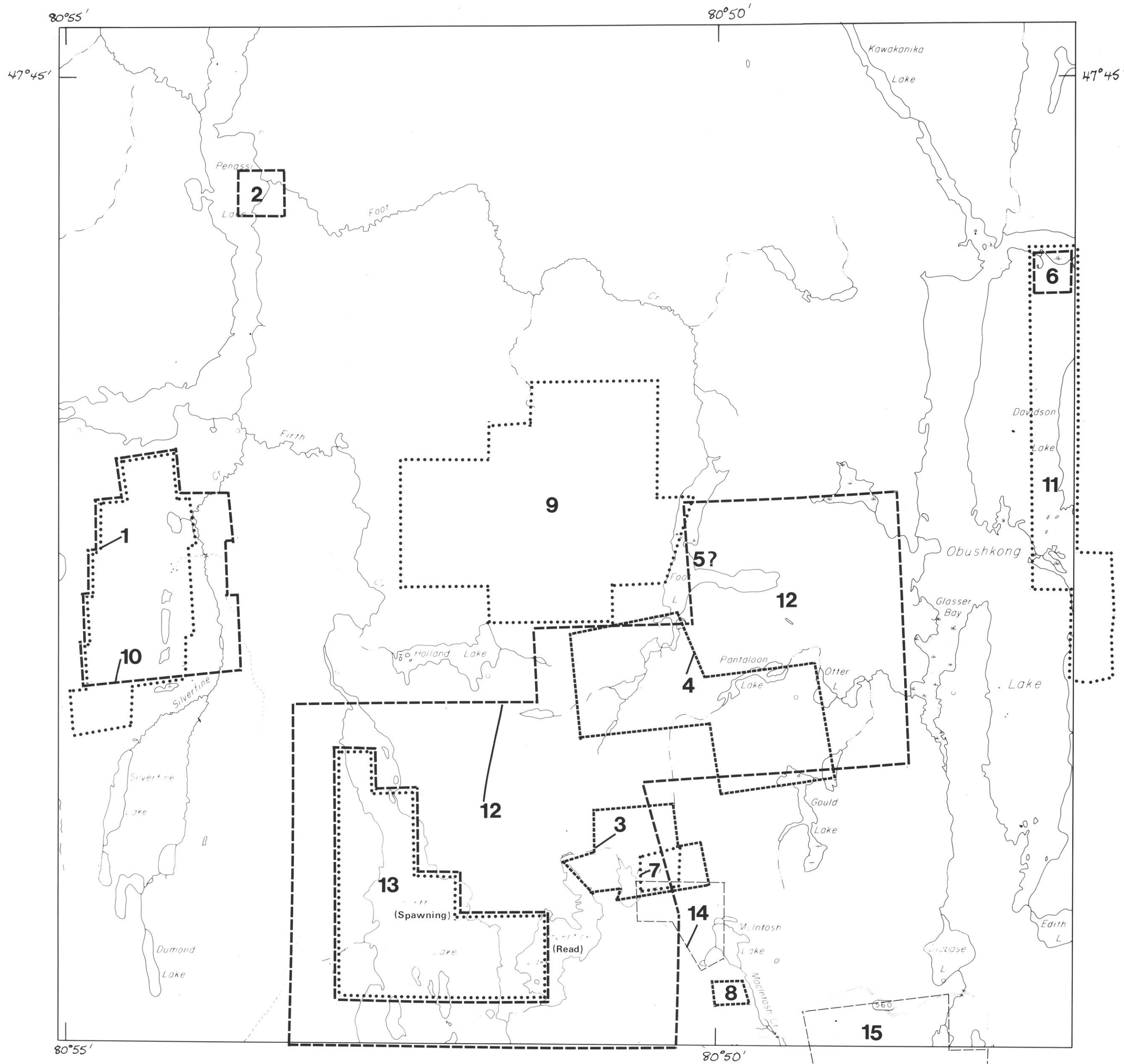
ONTARIO GEOLOGICAL SURVEY
PROPERTY LOCATION MAP
GEOLOGICAL DATA INVENTORY FOLIO 515
(Map 1 of 2)

VAN HISE TOWNSHIP

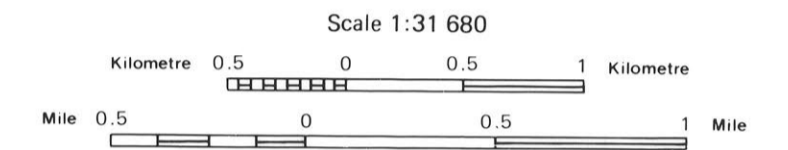


EXPLORATION DATA FILE AREAS

-  Reference number is always inside work area outlined. See listing in text pages.
-  Small area of exploration
-  File covers whole township or area






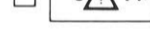

VAN HISE TOWNSHIP




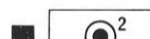
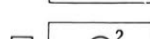
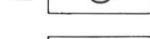


GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES


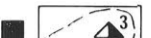
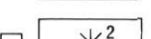
-  Mineral occurrence at surface, with reference letter
-  Mineral occurrence with shaft, depth given with reference letter
-  Mineral occurrence reported but exact location uncertain, with reference letter
-  Mineralized float with reference letter
-  Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

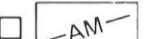



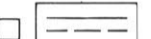
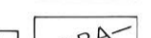
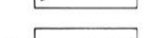
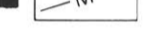


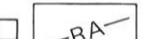
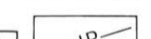
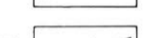
-  Location of single drillhole, with reference number
-  Location of closely spaced group of drillholes, with reference number
-  Drillhole, exact location uncertain, with reference number
-  Property with underground drillholes in this general area, with reference number
-  Property with drillholes which have not been plotted on map, with reference number
-  Reverse circulation drillhole; churn drilling, with reference number

TYPES OF DATA SHOWN ON THIS MAP

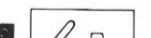

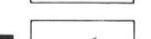
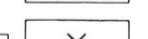
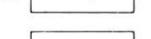
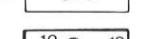
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

-  Geochemical sample site, with reference number
-  Area of geochemical sampling, with reference number
-  Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

-  Airborne magnetic anomaly
-  Airborne electromagnetic anomaly
Length of anomaly along flight line
-  Airborne electromagnetic anomaly
Location of anomaly along flight line
-  Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible
-  Airborne radiometric anomaly
-  Ground magnetic anomaly
-  Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop
VLF - Very low freq.; Turam; JEM - Crone Em - 16)
-  Ground radiometric anomaly
-  Induced polarization anomaly
-  Self potential anomaly
-  Audio-frequency magnetic anomaly
(total intensity)
-  Resistivity anomaly
-  Gravity anomaly

MISCELLANEOUS DATA

- | | |
|---|---|
|  |  |
|  |  |
|  |  |

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

